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**From:** Gilliland, Alice [Gilliland.Alice@epa.gov]  
**Sent:** 3/3/2023 12:14:17 AM  
**To:** Gullett, Brian [Gullett.Brian@epa.gov]  
**CC:** Hagler, Gayle [Hagler.Gayle@epa.gov]  
**Subject:** Fwd: East Palestine - D/F technical inquiry from ORSANCO

Greg meant to include Brian, of course!

**Alice Gilliland, Ph.D.** (she/her/hers) Director (Acting) | Center for Environmental Measurement and Modeling | Office of Research & Development | U.S. Environmental Protection Agency | Cincinnati, OH 45268 | Phone: 513-569-7852 | Cell: Ex. 6 Personal Privacy (PP)

*"Protecting human health and the environment by delivering innovative measurement and modeling solutions to EPA and our partners"*

Begin forwarded message:

**From:** "Sayles, Gregory (he/him/his)" <Sayles.Gregory@epa.gov>  
**Date:** March 2, 2023 at 7:11:21 PM EST  
**To:** "Mills, Marc" <mills.marc@epa.gov>  
**Cc:** "Speth, Thomas" <Speth.Thomas@epa.gov>, "Gilliland, Alice" <Gilliland.Alice@epa.gov>, "Hagler, Gayle" <Hagler.Gayle@epa.gov>, "Dipolt, Kelly" <Dipolt.Kelly@epa.gov>, "Ryan, Shawn" <Ryan.Shawn@epa.gov>  
**Subject:** **Re: East Palestine - D/F technical inquiry from ORSANCO**

Re: Dioxin/Furan production and fate

Looping in folks. Pls read the string.

Marc - Brian Gullett in CEMM is the right person for this so pls let ORSANCO know Brian is the SME to work with.

Brian's mobi: Ex. 6 Personal Privacy (PP)

Kelly - pls let the EOC know about this.

Thanks,  
Greg

Sent from my iPhone

On Mar 2, 2023, at 6:23 PM, Mills, Marc <mills.marc@epa.gov> wrote:

I am think more a combustion and air deposition person (s). Two principle questions....  
I think, I haven't been plugged in until today.

1. Were D/Fs produced and at what yield?
2. If produced, how much would be deposited in the Ohio River and watershed that could be relevant to DW utilities?

**Marc A. Mills, Ph.D.**

**United States Environmental Protection Agency  
Office of Research and Development  
26 W. Martin Luther King Dr.  
Cincinnati, OH 45268**

**T. 513.569.7322**

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**mills.marc@epa.gov**

On Mar 2, 2023, at 4:14 PM, Sayles, Gregory (he/him/his)  
<Sayles.Gregory@epa.gov> wrote:

Would he need a combustion expert like Brian Gullett? Or a  
environmental fate and transport person? Like you Marc?

**Gregory Sayles, Ph.D.**

(he, him, his – [learn more](#))

Director, Center for Environmental Solutions and Emergency Response (CESER)

EPA's Office of Research and Development, Cincinnati, Ohio

[sayles.gregory@epa.gov](mailto:sayles.gregory@epa.gov); desk 513-569-7607; mob: **F. Ex. 6 Personal Privacy (PP)**

***CESER mission:** We conduct applied stakeholder-driven research and provide  
responsive, technical support to help solve the Nation's environmental challenges.*

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**From:** Mills, Marc <mills.marc@epa.gov>

**Sent:** Thursday, March 2, 2023 4:49 PM

**To:** Speth, Thomas <Speth.Thomas@epa.gov>

**Cc:** Sayles, Gregory (he/him/his) <Sayles.Gregory@epa.gov>

**Subject:** Re: D/F technical inquiry from ORSANCO

Apologies. D/Fs = Dioxins/Furans. D/Fs may be produced during the  
combustion of vinyl chloride. ORSANCO has been asked about the risk  
to drinking water from the possible production and deposition of D/Fs  
into the Ohio River. Richard Harrison (ORSANCO) is looking for a  
subject matter expert to answer questions in this regard prior to his  
congressional testimony.

**Marc A. Mills, Ph.D.**

**United States Environmental Protection Agency  
Office of Research and Development  
26 W. Martin Luther King Dr.  
Cincinnati, OH 45268**

**T. 513.569.7322**

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**mills.marc@epa.gov**

On Mar 2, 2023, at 2:57 PM, Speth, Thomas  
<[Speth.Thomas@epa.gov](mailto:Speth.Thomas@epa.gov)> wrote:

Marc,

D/F? Diesel fuel?

*Tom*

Thomas F. Speth, Ph.D., P.E. (Ohio)  
Associate Director  
Center for Environmental Solutions and Emergency  
Response  
U.S. Environmental Protection Agency  
26 West Martin Luther King Dr.  
Cincinnati, OH 45268  
(513) 569-7208 Office  

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 Cell  
(513) 487-2543 Fax  
[Speth.Thomas@epa.gov](mailto:Speth.Thomas@epa.gov)  
<image001.jpg>

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**From:** Mills, Marc <[mills.marc@epa.gov](mailto:mills.marc@epa.gov)>  
**Sent:** Thursday, March 2, 2023 3:37 PM  
**To:** Speth, Thomas <[Speth.Thomas@epa.gov](mailto:Speth.Thomas@epa.gov)>; Sayles,  
Gregory (he/him/his) <[Sayles.Gregory@epa.gov](mailto:Sayles.Gregory@epa.gov)>  
**Subject:** D/F technical inquiry from ORSANCO

Greg and Tom

While here in San Antonio at an Air Force PFAS meeting, I just received an urgent call from Richard Harrison from ORSANCO. He is being called to testify in Congress next week as to the potential for D/Fs to be deposited in the Ohio River from the burning of VC at the train derailment in Ohio. And potential risks to drinking water and other risk pathways. I have done some work on D/Fs but more focused on sediment remediation and limiting exposure through the food web. I told him I am not the SME regarding generation and deposition of D/Fs but would reach out within EPA.

I am in San Antonio with an OLEM contingent and will check with them at the next break. I am reaching out to you both to provide your suggestions as to ORD resources that may be available for ORSANCO to tap into. They also acknowledged that they have been in touch with Reg 5 with a similar request.

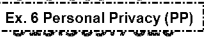
I will be heading the airport shortly but told Richard I would update him tomorrow with any progress on an SME to help ORSANCO.

Thank you  
Marc

**Marc A. Mills, Ph.D.**

**United States Environmental Protection Agency  
Office of Research and Development  
26 W. Martin Luther King Dr.  
Cincinnati, OH 45268**

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**mills.marc@epa.gov**